

PONOMAREVA, M. M.

V 13535* Effect of Temperature on the Metabolism of Carbon
(C¹⁴) Absorbed in the Process of Photosynthesis. Vliyanie
temperatury na metabolism ugleroda (C¹⁴), pogloshchen-
nogo v protsesse fotosinteza. (Russian.) O. V. Zakenskii, V. L.
AG Voznesenskii, M. M. Ponomareva, and T. P. Shtan'ko. *Botani-
cheskii Zhurnal*, v. 40, no. 3, May-June 1955, p. 347-358.
Changes in the radioactivity of C in various parts of the plant.
Graphs, tables, photographs. 14 ref.

3

Botanical Inst. im. Komarov, AS USSR
and Pavlov Biological Station, Akhensk Tashkent SSR

PONOMAREVA, M.N.; PAVLOV, N.V.

Reflectivity of the minerals of the isomorphous series magnetite-magnesioferrite. Geol. rud. mestorozh. 6 no.1:99-101 Ja-F '64.

(MIRA 17:11)

1. Donetskii politekhnicheskii institut i Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva.

PNOMAREVA, M.N.; PAVLOV, N.V.; CHUPRYNINA, I.I.

Determining the composition of some mineral species of chrome
spinel group by their reflection data. Geol. rud. mestorozh.
6 no.3:103-106 My-Je '64 (MIRA 18:1)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mine-
ralogii i geokhimii AN SSSR, Moskva.

~~PODOLSKAYA~~ M.N., kand. geol.-mineralog. nauk; LIFSHTS, M.M.;
VIRVICH, G.P., inzh.

Reflective capacity of Donets Basin coals. Sbor. Dokl.
no.25:52-95 '62. (MIRA 166)

(Donets Basin—Coal—Optical properties)

PANOMAREVA, M.N.; Prinsipalni uchastiyey: TER-ISRAEL'YAN, I.M.; SHLYAKHOVA, Z.V.

Sy 'amotitsy of ore minerals based on their reflection properties.
Dokl. AN SSSR 163 no.5:1237-1239 Ag '65.

(MIRA 18:8)

1. Donetskij politekhnicheskij institut. Submitted December 22, 1964.

18.7100

77141
SOV/148-59-9-11/22

AUTHORS: Krasotskaya, S. N., Ponomareva, M. N. (Engineers)

TITLE: Concerning the Phase Composition of Isothermally
Hardened (Austempered) Samples

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya
metallurgiya, 1959, Nr 9, pp 111-114 (USSR)

ABSTRACT: This is a study of a phase composition of austempered
samples of carbon, chromium, and tungsten steels, con-
taining the amounts of carbon and alloying elements
shown in the table.

	C	W	Cr
U8 ---	0.78	---	---
U11 --	1.12	---	---
10V10 --	1.07	1.00	---
10V40 --	1.01	4.00	---
10Kh15--	1.00	---	1.15

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Concerning the Phase Composition of Isother-
mally Hardened (Austempered) Samples

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Such a composition of steels was selected in order to trace the effect of carbon, chromium (an element which is soluble in cementite), and tungsten (an element which is practically not soluble in cementite) on the process of phase formation during austempering. Cylindrical samples 4 mm in diameter and 40 mm high were heated in the vacuum furnace: the carbon steels to 950° C, chromium steels to 1,050° C, and tungsten steels to 1,200° C, with 10 to 15 minutes holding. The samples were austempered at 200 to 500° C (over 50° C intervals) in molten tin. The holding time varied from 15 minutes to 3 hours. After holding, samples were cooled in water and their "magnetograms" (curves showing relationship between the magnetization and the temperature $I_s(t)$ during heating the "magnetometer" in an air furnace at the rate of 4 to 5 degrees/minute) were taken (see Figs. 4 and 5).

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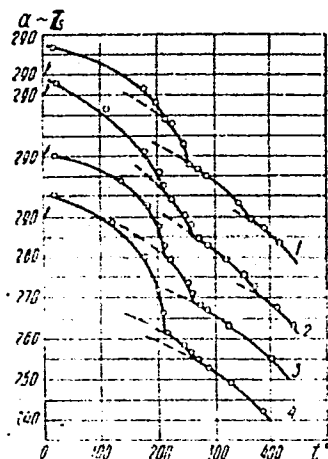


Fig. 4. Curves showing magnetic properties, "magnetograms", of steel 10V10 after austempering at 3 hours holding. Temperature of austempering: (1) 300; (2) 250; (3) 400; (4) 450° C.

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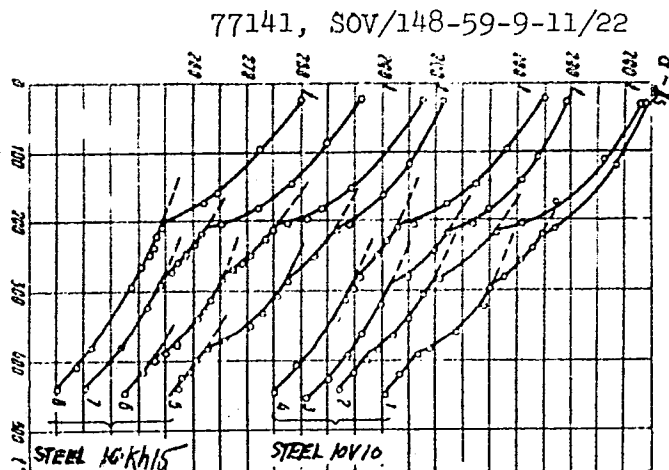


Fig. 5. Curves showing magnetic properties, "magnetograms", of steel after 1 hr tempering. Tempering temperatures: (1) 250; (2) 300; (3) 350; (4) 550; (5) 250; (6) 350; (7) 450; and (8) 500° C.

Concerning the Phase Composition of Isothermally Hardened (Austempered) Samples

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The authors arrived at the following conclusions: (1) The phase composition of austempered steels is similar to the phase composition of the structure forming after hardening with tempering. (2) Their phase composition is more complex than visualized by the previous authors [Ref 1 and 2: Azintsev, Ye. G., Arbuzov, M. P., ZhTF, Vol XX, 1950; Entin, P. I., Metallovedeniye i obrabotka metallov, Nr 9, 1956]. In addition to cementite the austempered samples contained other carbide phases of iron: ϵ - Fe_xC and χ - Fe_xC . (3) The shift of phases, according to their stability as temperature of austempering increases, is analogous to that for tempered steels, and can be presented as: $\epsilon \text{ Fe}_x\text{C} \rightarrow \chi \text{ Fe}_x\text{C} \rightarrow \text{Fe}_3\text{C}$. (4) The comparison of the present data with the results of the authors' earlier investigations regarding the effect of the content of alloying elements on temperature of stability and boundaries of existence of ϵ - and χ -carbides during tempering, permits one to state that during the austempering of steels the character of this effect

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Concerning the Phase Composition of Isother-
mally Hardened (Austempered) Samples

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remains unchanged. There are 5 figures; and 8 refer-
ences, 7 Soviet, 1 French.

ASSOCIATION: Gor'kiy Physicotechnical Research Institute (Gor'kov-
skiy issledovatel'skiy fiziko-tekhnicheskiy institut)

SUBMITTED: May 18, 1959

Card 5/5

KRASOTSEYAN S.N., inzh.; PONOMAREVA, M.N. inzh.

Phase constitution of isothermally annealed specimens. *Izv.vys.*
ucheb.zav.; *chern.met.* 2 no.9:111-114 S '59. (MIRA 13:4)

1. Gor'kovskiy issledovatel'skiy fiziko-tekhnicheskii institut.
(Phase rule and equilibrium) (Steel--Metallography)

AUTHOR: Ponomareva, M. N. SOV/20-121-1-46/55

TITLE: On the Dependence of the Reflecting Capacity of Ore Minerals Upon Their Structural Characteristic Features (K voprosu o zavisimosti otrazhatel'noy sposobnosti rudnykh mineralov ot ikh strukturnykh osobennostey)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 121, Nr 1, pp. 162 - 164 (USSR)

ABSTRACT: This problem is investigated to an only insufficient extent. The author tried to compare the mentioned capacity with the characteristic features of the crystalline structure. Together with L.M.Zubkova she constructed a diagram as graphical basis. On its coordinate axis the reflecting index of the isotropic and uniaxial ore minerals in the air (R_p) is measured, on the abscissa axis the same index in cedar oil (R_u). In these coordinates the dependence between R_p and R_u by the refraction index N (parameter) is expressed by hyperbolae, the dependence by the absorption index K (parameter), however, by a bundle of curves which are symmetrical to the angular bisectrix line between the coordinate axes. Figure 1 shows that the zone of a considerable occurrence of metallic bonds is given most

Card 1/3

On the Dependence of the Reflecting Capacity of Ore
Minerals Upon Their Structural Characteristic Features

SOV/20-121-1-46/55

clearly in the dependence diagram $R_p - R_u$. These bonds are due to the interaction between positive ions and electrons which migrate from one ion to the other. In the scheme zones were expressed which comprise ore minerals with an exclusive metallic bond, and also such with a metallic and a covalent bond towards different crystallographic directions as well as minerals which have an intermediary bond type between a metallic and a covalent as well as between a metallic and a van der Waals bond type. Table 1 shows the structural properties of these ore minerals. Very few crystalline substances exist with a typical only covalent or with only a π ion bond, as is known. The intermediary type is more frequent. It was therefore natural that a considerable part of the ore minerals entered into the diagram were caused to lie in the region of the zone of such an intermediary type where the optical properties are caused no more by the properties of slightly connected electrons, but by those closely connected with the atomic nucleus. The scheme also shows the dependence of several less known minerals upon certain zones. From this we may conclude to the predominance of certain bond types

Card 2/3

On the Dependence of the Reflecting Capacity of Ore
Minerals Upon Their Structural Characteristic Features

SOV/20-121-1-46/55

and structural properties of their crystals. There are 1 figure,
1 table, and 7 references, 5 of which are Soviet.

PRESENTED: March 21, 1958, by N.V. Belov, Member, Academy of Sciences,
USSR

SUBMITTED: March 18, 1958

- | | |
|--------------------------------|----------------------------------|
| 1. Ores--Structural analysis | 2. Minerals--Reflective effects |
| 3. Minerals--Crystal structure | 4. Crystals--Structural analysis |

Card 3/3

TEST AND TAG CODES																										PROCESSING AND PREPARATION CODES																									
CROSS REFERENCE													GENERAL INDEX													ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION													REVISIONS												
<i>The chemical composition of antitoxic diphtheria serum.</i> A. G. Potshkverova and M. P. Ponomareva. <i>J. Microbiol., Epidemiol., Immunobiol.</i> (U.S.S.R.) 10, 283-8 (German 284) (1935). - A study was made of the change in total metabolism of organisms under the influence of immunization. The immunization of horses with diphtheria toxin leads not only to specific changes in the blood, but also to changes in the general metabolism, especially in N exchange and lipid metabolism. Exact studies of the metabolism of the horse indicate that immunization leads to the following changes in the blood: a slight increase in protein, an insignificant increase in the globulin fraction at the expense of the albumin fraction, an almost 2-fold increase in total fats and a decrease in residual N. The titer of the serum used was low, and was independent of variations in the globulin fraction of the serum.																										S. A. Karjala																									

1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									
PROCESSING AND PROPERTIES INDEX																			
BC Chemical composition of antitoxin diphtheria serum. A. G. FOMINENKOVA and N. P. FOMINENKOVA. (U.S.S.R. Medical Research Institute, U.S.S.R. 1964, 24, 202-203) Immunization of horses with diphtheria toxin leads to changes in general metabolism, intensity of N and lipids. Blood protein increases slightly, involving an increase in the globulin at the expense of the albumin fraction; the total fat in blood is almost doubled and residual N diminishes. (M. Ann. p)																			
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION																			
FROM SYMBOLS										FROM SYMBOLS									
SYMBOLS										SYMBOLS									

PONOMAREVA, Margarita Pavlovna; MAN'KOVSKIY, G.I., otvetstvennyy redaktor;
IL'INSKAYA, G.M., tekhnicheskiiy redaktor

[Instruments for measuring hole deviation] Pribory dlia izmereniia
krivizny skvazhin. Moskva, Ugletekhizdat, 1956. 34 p. (MLRA 9:11)
(Oil well drilling--Equipment and supplies)

FOKOLAREVA, N. A.

Central State Sci. Control Inst., (-1944-).

"The action of low temperatures on the immuno-
geneous properties of tetanus anatoxin,"

Zhur. Mikrobiol., Epidemiol., i Immunbiol., No. 9, 1944.

~~PONOMAREVA, N. A.~~
CHERTKOVA, F. A., Ye. S. Shayn, PONOMAREVA, N. A.

"Estimation of Immunogenic Properties of Tetanus Toxoid"

Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii, No 7, 1953, p60

PONOMAREVA, N. A.

"Immunogenic Activity of Combined Tetanus and Diphtheria Toxoids"

Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii, No 7, 1953, p82

PONOMAREVA N. A.

SOLOV'YEVA, Ye.M.; PONOMAREVA, N.A.; PITSEGINA, M.G.

Associated immunization of guinea-pig with typhus vaccine, tetanus
anatoxine and Bac. oedematiens. Zhur.mikrobiol.epid.i immun. no.7:
101 J1 '54. (MIRA 7:9)

1. Iz Gosudarstvennogo kontrol'nogo instituta im. L.A.Tarasevicha.
(VACCINATION)

Abstract U-7920, 8 Mar 56

ANDZHAPARIDZE, O.G.; DUEASOVA, M.N., ZUBOVA, Z.F.; MIKHAYLOV, A.I.,
MOSKVICHEVA, N.V.; PONOMAREVA, N.A.

Investigations of the concentration and purification of serum
against encephalitis. Zhur.mikrobiol.epid. i immun. no.5:20-23,
My '55. (MLRA 8:7)

1. Iz Gosudarstvennogo kontrol'nogo instituta imeni Tarasevicha
(dir. S.I. Didenko) i Moskovskogo instituta vaktsin i syvorotok
imeni Mechnikova (dir. A.P. Musychenko)

(ENCEPHALITIS, EPIDEMIC, prevention and control.

immune serums, concentration & purification)

(IMMUNE SERUMS,

anti-encephalitis, concentration & purification)

RODIN, I.M.; PONOMAREVA, N.A.; MART'YANOVA, L.I.; DIRASOZA, M.N.

Commercial production of therapeutic hyperimmune horse serum
against tick-borne and Japanese encephalitis. Report No.2: Obtaining
gamma globulin from normal therapeutic antiencephalitic horse serum;
author's abstract. Zhur.mikrobiol.epid. i immun. 27 no.7:58-59 Jy '56
(MLRA 9:9)

L. Iz Instituta virusologii imeni Ivanovskogo AMN SSSR i Moskovskogo
instituta vaktsin i syvorotok imeni Mechnikova.
(GAMMA GLOBULIN) (SERUM)

PONOMAREVA, Natal'ya Afanas'yevna; NECHAYEVA, Aleksandra Semenovna;
CHERTKOVA, F.A., red.

[Gamma globulin] Gamma-globulin. Moskva, Meditsina, 1965.
177 p. (MIRA 18:3)

PONOMAREVA, N.A.; MECHAYEVA, A.S.; DURASOVA, M.N. [deceased]; NIKITENKO, A.A.;
LOHAN, I.D.; DUBOVA, V.A.

Significance and production of individual fractions of sera of immunized animals. Nauch. osn. proizv. bakt. prep. 10:220-225 '61.
(MIRA 18:7)

1. Moskovskiy institut vaktsin i syvorotok im. Mechnikova.

PONOMAREVA, N.A.

Transistor tester. Elektrosviaz' 16 no.6:38-47 Je '62. (MIRA 15:6)
(Transistors--Testing)

MARENNIKOVA, S.S.; PONOMAREVA, N.A.; OGORODNIKOVA, Z.I.; DURASOVA, M.N.

Experimental preparation and studies of antismallpox gamma globulin
[with summary in English]. Vop.virus, 3 no.6:338-341 N-D '58.
(MIRA 12:1)

1. Institut vaktsin i sverotok imeni Mechnikova, Moskva.
(SMALLPOX, immunology,
anti-smallpox globulin (Rus))
(GAMMA GLOBULIN,
anti-smallpox (Rus))

BENSMAN, S.S.; PONOMAREVA, N.A.

Quantitative determination of hemicellulose by potentiometric
titration. Khim.volok. no.3:66 '59. (MIRA 12:11)

1. Mytischinskiy zavod.
(Cellulose--Analysis)

PONOMAREVA, N. B.

USSR / Diseases of Farm Animals. Toxicoses.

R

Abs Jour: Ref Zhur-Biol., No 8, 1958, 35859.

Author : Yudin, S. G., Yudina, I. S., ~~Ponomareva, N. B.~~
Inst : Uzbekistan Farm Institute.
Title : Toxic Influence of Fodder Contaminated by
Hoary Trichodesmids (Trichodesmids (Trichod-
esma incanum) and the Part it Plays in Eti-
ology of Sulla Poisoning of Horses.

Orig Pub: Nauchn. tr. Uzb. S.-kh. in-ta, 1956, 10,
169-176.

Abstract: In addition to their usual rations, six horses
were fed three times daily with 3.4 to 4.5 grams
of hoary trichodesmid seeds mixed with corn or
corn flour waste products. All animals died.
According to its clinical and pathomorphological
manifestations, the disease had all the traits
of its natural affliction of horses, showing

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"APPROVED FOR RELEASE: 06/15/2000" *Card 1/2* Toxicoses *CIA-RDP86-00513R001342120020-6"*

Abs Jour: Ref Zhur-Biol., No 8, 1958, 35859.

Abstract: pulmonary and hepatic nervous syndromes. Sim-
ilar results were obtained when the horses
were fed stalks and leaves of the trichodes-
mids in a dose of 70 grams three times daily.
The authors feel that a chronic poisoning by
the seeds and the vegetative parts of trich-
odesmids causes the above mentioned disease
in horses, and they suggest that this disease
which is provoked by trichodesmids should be
called "trichodesmosis".

Card 2/2

28

PARSHIN, K.I., zasluzhennyy vrach; POMERANTSEVA, A.I.; IVANUSHKINA, L.G.;
PONOMAREVA, N.F. (Orekhovo-Zuyevo)

Analysis of the results of of dispensary-level observation of
textile workers with rheumatism. Sov. zdrav. 19 no. 8:63-67 '60.
(MIRA 13:10)

1. Iz terapevticheskogo otdeleniya (zav. - zasluzhennyy vrach
RSFSR K.I. Parshin) 1-y gorodskoy bol'nitsy mediko-sanitarnoy
chasti khlopchatobumazhnogo kombinata (glavnyy vrach Ye.N. Orlova)
Orekhovo-Zuyevo.

(TEXTILE WORKERS—DISEASES AND HYGIENE)
(RHEUMATISM FEVER)

L 44304-66

ACC NR: AP6018225

(N)

SOURCE CODE: UR/0391/66/000/006/0006/0010

AUTHOR: Metlina, N. B. (Moscow); Milkov, L. Ye. (Moscow); Shatalov, R. N. (Moscow); Ponomareva, N. I. (Moscow)

ORG: Institute of Industrial Hygiene and Occupational Diseases, AMN SSSR (Institut gigiyeniy truda i profzabolevaniy AMN SSSR)

TITLE: Some clinical data on effects produced by vibrations of different frequencies

SOURCE: Gigiyena truda i professional'nyye zabolevaniya, no. 6, 1966, 6-10

TOPIC TAGS: human physiology, industrial hygiene, vibration biologic effect

ABSTRACT: A total of 115 subjects aged up to 40 was studied to determine the comparative effects of high- and low-frequency vibrations. The first group (38 subjects) was made up of workers with 5 years of service exposed to high-frequency vibrations (500—900 cps; 50 μ (microns)). The second group of 77 subjects with 10 years service was exposed to low-frequency vibrations (12—20 cps; 12—14 mm). The two groups differed in the nature and degree of reactions to vibrations. Low-frequency vibrations affected the sympathetic nervous system and inhibited the cutaneous motor, vestibular, and auditory analyzers. High-frequency vibrations caused the premature development of the angiospastic syndrome in the hand. Vestibular analyzer function and pain sensitivity were altered in this group. In all likelihood, the angiospastic syndrome was caused by the disruption of peripheral autonomic structures.. [CP]

SUB CODE: 06 / SUBM DATE: 28Sep65/ ORIG REF: 005

Card 1/106R

UDC: 617-001.34-02:534.292

GANAGO, F.M., kand. med. nauk; Prinsipali uchastiyev: ALEKSEYEVA, R.M.,
vrach (Sverdlovsk); AYZENSHTEYN, B.S., vrach (Sverdlovsk);
BAHINOVA, G.D., vrach (Sverdlovsk); BOROVITSKAYA, L.M., vrach
(Sverdlovsk); VARGANOVA, M.V., vrach (Sverdlovsk); KOPYLOVA,
K.P., vrach (Sverdlovsk); SOKOLOVA, O.V., vrach (Sverdlovsk);
SHEVTSOVA, R.P., vrach (Sverdlovsk); SHELOMOVA, I.M., vrach
(Sverdlovsk); BYKHOVSKAYA, M.A., vrach (Revda); BELYAYEVA,
N.Ya., vrach (Magnitogorsk); KRUGLOVA, N.A., vrach (Kurgan);
NIKIFOROVA, F.N., vrach (Kurgan); MITINA, O.A., vrach (Asbest);
PORKHOVNIKOVA, E.D., vrach (Ufa); PONOMAREVA, N.I., vrach
(Orenburg); RASSOSHNYKH, G.F., vrach (Perm'); SAZANOVA, V.V.,
vrach (Izhevsk)

Chemoprophylaxis of tuberculosis in children and adolescents
in foci of tuberculous infection. Probl. tub. 42 no.1:6-11
'64. (MIRA 17:8)

1. Detskoye otdeleniye (zav. F.M. Ganago) Sverdlovskogo insti-
tuta tuberkuleza (dir. - prof. I.A. Shaklein) (for Ganago).

PONDMAREVA, N. K.

The technique for plating of drinking water for counting of bacterial colonies. N. K. Ponomareva, *Tr. Prikl. (U. S. S. R.)* 1939, No. 5, 80. P. Recommends holding liquified agar in thermostat at 43-45°.

W. R. Henn

PONOMAREVA, N. K.

Lapkin, I. I., Fonomareva, N. K., Pinegina, L. IU.,- "Steric hindrances in organomagnesium reactions. XII. Reaction of dimethyloxalate with di-ortho-substituted arylmagnesium halides." (p. 1363)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1952, Vol. 22, No. 8

PONOMAREVA, N. K.

Chemical Abst.
Vol. 48 No. 5
Mar. 10, 1954
Organic Chemistry

(4) 12

Steric hindrance in organomagnesium reactions. XII.
Reaction of dimethyl oxalate with di-*c*-substituted arylmag-
nesium halides. I. I. Lapkin, N. K. Ponomareva, and
L. Yu. Panegina (Gorkii-Molotov State Univ.). *J. Gen.*
Chem. U.S.S.R. 22, 1407-10(1953)(Engl. translation).
—See C.A. 47, 4861c. XIII. Preparation of ketones by the
reaction of acyl halides with organomagnesium compounds.
I. I. Lapkin, N. I. Latosh, and E. S. Belov. *Ibid.* 1411-14.
—See C.A. 47, 4861c. H. L. H.

PONOMAREVA, N. K.

PONOMAREVA, N. K. -- "Basic Hygienic Parameters of Radiation Heating Systems."
*(Dissertations for Degrees in Science and Engineering Defended at USSR Higher
Educational Institutions) Min Public Health NSFSR, Leningrad Sanitary-Hygienic Medical
Inst, Leningrad Sci Res Sanitary Hygienic Inst, Sector of Hygiene of Habitations and
Planning of Inhabited Areas, Leningrad, 1955.

SO: Knizhnaya Letopis' No. 31, 30 July 1955.

*For the Degree of Candidate in Medical Sciences.

PONOMAREVA, N. K., and NIZHNIKOV, A. I.

"Hygienic Evaluation of the Municipal Planning of the Sovkhozes of Leningrad Oblast and Methods of Improving It," paper presented at the Scientific Conference of the Leningrad Sanitation Institute, 8-10 May 1956.

U-3,054,017

PONOMAREVA, N.L., meditsinskaya sestra

Bandaging for axillary region. Med. sestra 20 nq.1:51-52 Ja '61.
(MIRA 14:3)

(BANDAGES AND BANDAGING)

PONOMAREVA, N. L.

(sic)

PETUNIN, F. A., MANZHOS, M. D., and PONOMAREVA, N. L., Vet.
Krasnodar Vet. Experimental Station

"Exploration of the toxicity feeds sprayed with DDT dust."
SO: VET. 27 (10) 1950, p. 36 (Tab Con)

PONOMAREVA, N. L.

PETUNIN, F. A.; MANZHOS, M. S.; PONOMAREVA, N. L.

Krasnodar Veterinary Experimental Station

"Test of the toxicity of fodder sprayed with DDT powder."

SO: Vet. 28 (10), 1951, p. 29 (Tab Con)

PONOMAREV, N.N.

Possible use of dust counters for determining the dust content
of gas by electric methods. Zav.lab. 28 no.8:1000-1001 '62.
(MIRA 15:11)

1. Nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.
(Dust--Removal)

⁰
PONMAREVA, N.P., ^{RA}
^A ~~AS~~ SIMOVICH, V.V., MELNIK, Z.V., RAYK, S.Ya.,

KAKHANA, B.M., (US SR)

"The Various Pathways of Carbohydrate Metabolism in the
Cucurbitaceae."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow,
10-16 Aug 1961.

PONOMAREVA, N.S.

Role of the biological factor in the processes of alkali formation
in Solonetz soils. Pochvovedenie no.9:35-43 S '62. (MIRA 16:1)

1. Omskiy sel'skokhozyaystvennyy institut imeni S.M.Kirova.
(Omsk Province—Solonetz soils)
(Bacteria, Sulfur)

PONOMAREVA, N.S., kand. sel'skokhoz. nauk; BAZILINSKAYA, M.V., aspirantka

Change in some characteristics of soils of the Solonetz complex under the effect of excessive moisture in the forest-steppe of Western Siberia. Izv. TSKHA no.4:130-137 '64.

(MIRA 17:11)

1. Kafedra pochvovedeniya Sel'skokhozyaystvennoy akademii imeni Timiryazeva.

~~PONOMAREVA, N. S.~~

PONOMAREVA, N. S.

"Dynamics of the Microflora in Chernozem Solonets Soils of the 'Omskiy' Cattle-Breeding Sovhoz." Authors' Abstracts of Dissertations Submitted to the Omsk Agriculture Inst imeni S. M. Kirov, Omsk, 1955. (Dissertation for the Degree of Candidate in Agricultural Sciences)

SO: M-955, 16 Feb 56

PONOMAREV, N.V., inzh.

Increasing the efficiency of coal screening. Sbor. inform. po obog.
i brik. ugl. no.4:33-38 '57. (MIRA 11:6)
(Coal preparation) (Screens (Mining))

SERYKH, G.M.; PONOMAREV, O.A.

Analytical solution for a plane problem in the heat conductivity
of porous bodies. Izv.TPI 101:71-76 '58. (MIR 13:5)
(Heat--Conduction) (Porosity)

SEMENDYAYEVA, M.Ye.; ALEKBEROVA, Z.S.; POJOMAREVA, O.A.

Significance of lipoic (thioctic) acid in the compound treatment of Botkin's disease. Sov. med. 27 no.2:114-117 P '64.
(MIRA 17-10)

1. Laboratoriya deystvitel'nogo chlena AMN SSSR prof. Ye.M. Tareyeva, Moskva.

SEMENDYAYEVA, M.Ye.; GUSEVA, T.M.; PONOMAREVA, O.A.; LAPKINA, G.V.;
MIKIRTUMOV, S.M.

Activity of arginase in the blood serum and points of the liver
during Botkin's epidemic hepatitis. Vop.med.virus. no.9:275-281
'64. (MIRA 18:4)

1. Iz laboratorii deystvitel'nogo chlena AMN SSSR prof. Ye.M.
Tareyeva.

U.S.S.R. / Human and Animal Physiology. Nervous System. T

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22587.

Author : Ponomareva, O. E.

Inst : Rostov N. D. University.

Title : Observation of Vascular Reactions in Stimulation of Subcortical Brain Sections.

Orig Pub: Ych. Zap. Rostovsk.-n.D. Un-t., 1956, 26, 109-111.

Abstract: Following stimulation of brain-stem segments of rabbits with induction current through implanted electrodes, alimentary defensive and orientation reactions were noted. In 3 of 10 investigated animals vasomotor effects were noted. In one of the rabbits, after a series of (5) combinations of bell sound with stimulation of the

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EDMONDAREVA, O. I.

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MIKROFLORA PLEVRAL'NOY POLOSTI PRI PROMIKAYUCHSHIEM RANENIYAM GRUDNOY KLETKI. TRUDY SARAT.
GOS. MED. IN-TA, T.VIII, 1949, S. 155-62

SO: LETOPIS NO. 31, 1949

SHERISHORINA, S.I., PONOMAREVA, O.I., FREYDMAN, S.I.

Isolation of Leptospira in thick media. Lab.delo 4 no.3:46-47
My-Je '58 (MIRA 11:5)

1. Iz kafedry mikrobiologii (zav. - prof. S.I. Sherishorina)
Saratovskogo meditsinskogo instituta.
(LEPTOSPIRA)

PONOMAREVA, O.I., kand.med.nauk (Saratov).

"Medical Microbiology," edited by I.A. Sutin, G.R. Finn, L.N.
Zelenskaia. Reviewed by O.I. Ponomareva. Fel'd. i akush. 24 no.1:
61-62 Ja. '59 (MIRA 12:1)
(BACTERIOLOGY, MEDICAL)
(SUTIN, I.A.)
(FINN, G.R.)
(ZELENSKAIA, L.N.)

PONOMAREVA, O.I.

Combined action of antibiotics on experimental infection caused
by *Clostridium perfringens*. Trudy Sar. gos. med. inst. 26:202-
204 '59. (MIRA 14:2)

1. Saratovskiy meditsinskiy institut, kafedra mikrobiologii
(zav.-prof. S.I. Sherishorina).
(ANTIBIOTICS) (*CLOSTRIDIUM PERFRINGENS*)

SHERISHORINA, S.I.; VOLYNSKIY, B.G.; MOROV, N.N.; FREYDMAN, S.I.; PONOMAREVA,
O.I.

Furacillin and levomycetin therapy for patients with cystitis.
Urologia 26 no.2:27-32 '61. (MIRA 14:3)
(BLADDER-DISEASES) (OMYCETIN) (FURAN)

PONOMAREVA, O.N. [~~Ponomareva, O.N.~~]; KRAPOSOVA, O.I.

Rheology of ointments. Farmatsev.zhur. 19 no.1:9-11 '64.

(MIRA 18:5)

1. Kafedra tekhnologii lekarstv i galenovykh preparatov Permskogo
farmatsevticheskogo instituta.

Lab. Physiol. Chuv; AS USSR

PONOMAREVA, O.N.

**Study of Eremurus as a source of emulsifying substances. Biol.Glav.bot.
sada no.20:106-109 '55. (MIRA 8:9)**

**1. Moskovskiy farmatsevticheskiy institut Ministerstva zdravookhraneniya
SSSR. (Desert candle) (Botanical chemistry)**

PONOMAREVA, O.N. [Ponomar'ova, O.N.]

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'60. (MIRA 14:5)

1. Permskiy farmatsevticheskiy institut.
(POLYSACCHARIDES) (EMEMURAN)

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Trudy VNAIZ no.5:110-115 '59. (MIRA 15:4)
(Phonorecords)

PONOMAREVA, O. Ye., Cand Bio Sci -- "On the effect of partial removal of the cerebral hemispheres at an early age ^{when} on the visual and auditory conditioned reflexes in chickens."

Voronezh, 1961. (Min of Higher and Sec Spec Ed RSFSR.

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PONOMAREVA, O.Ye.

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1. Iz kafedry fiziologii cheloveka i zhivotnykh (zav. - prof. A.B. Kogan) Rostovskogo gosudarstvennogo universiteta. Predstavlena deystvitel'nym chlenom AMN SSSR V.N. Chernigovskim.

(BRAIN physiol.)

(HEARING physiol.)

(VISION physiol.)

(REFLEX CONDITIONED)

PONOMAREVA, P.

New evidence of the responsibility of the party and government for
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(PUBLIC HEALTH)

PONOMAREVA, P.

USSR/Farm Animals. Silkworm.

Q

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78869.

Author : Irusenskaya, L.; Bryukhovich, A.; ~~Ponomareva, P.~~

Inst : Stavropol Agricultural Institute.

Title : Influence of Feeding Schedule on Productivity of Bombyx
B₁ X B₂.

Orig Pub: Sb. nauchno-issled. rabot stud. Stavropol'sk. s.-kh.
in-ta, 1956, vyp. 4, 65-67.

Abstract: No abstract.

Card : 1/1

DOMBROVSKAYA, YU.F., prof.(Moskva); otv. red.; GROMBAKH, S.M.,
 prof, prof., red.; ISAYEVA, L.A., dots (Moskva), red.;
 NOSOV, S.D., prof., red.; PONOMAREVA, P.A., prof., red.;
 SKORNYAKOVA, L.K., red.; SOKOLOVA, K.F., prof., red.;
 SOKOLOVA-PONOMAREVA, O.D., prof., red.; TUR, A.F., prof.,
 red.; KHOKHOL, Ye.N., prof., red.; ISAYEVA, L.A., red.

[Transactions of the Eighth All-Union Congress of
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1. Vsesovuznyy s"yezd detskikh vrachei. 8th, Kiev, 1962.
2. Zaveduyushchaya kafedroy detskikh bolezney AMN SSSR.
3. Deystvitel'nyy chlen AMN SSSR (for Dombrovskaya).
4. Zamestitel'direktora Instituta pediatrii AMN SSSR (for Nosov).
5. Zamestitel' nachal'nika upravleniya spetsializirovannoy meditsinskoy pomoshchi Ministerstva zdravookhraneniya SSSR (for Skornyakova).
6. Glavnyy pediatr Ministerstva zdravookhraneniya RSFSR (for Sokolova).
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PONOMAREVA, P.A., prof.

Achievements in the field of maternal and child health protection
in the new China. *Pediatrics* 37 no.9:3-5 S '59. (MIRA 13:2)
(MATERNAL WELFARE)
(CHILD WELFARE)

PONOMAREVA, P.A., prof.

Session of the Pediatrics Institute of the Academy of Medicine of
the U.S.S.R. and outlying pediatric institutes. *Pediatrics* 37
no.9:92-94 S '59. (MIRA 13:2)
(INFLUENZA) (WHOOPING COUGH)

PONOMAREVA, P.A.; GRECHISHNIKOVA, L.V.

Soviet-Hungarian Medical Days. Pediatria 36 no.2:3-11 F '59.
(MIRA 12:4)

(PEDIATRICS

Soviet-Hungarian research (Rus))

PONOMAREVA, P.A.

Conference on the problem of "Neuropathies in childhood."
Pediatria 36 no.10:86-89 0'58 (MIRA 11:11)
(CHILDREN--DISEASES)
(NERVOUS SYSTEM--DISEASES)

PONOMAREVA, P. A.

USSR, (600)

Measles

Recurrent measles., Uch. zap. Vt., mosk. med. inst., 1, 1951.

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

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(RHEUMATISM)

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All-Russian Conference of Student Pediatricians. Zdrav.Ros.
Feder. 3 no.8:42-44 Ag '59. (MIRA 12:11)
(PEDIATRICS--CONGRESSES)

SVYATKINA, Klavdiya Andreyevna, prof.; KHVUL', Anna Markovna,
doktor med. nauk; RASSOLOVA, Mariya Alekseyevna, kand.
med. nauk; PONOMAREVA, P.A., prof. red.; DETINOVA,
Ye.P., red.

[Rickets] Rakhit. Moskva, Meditsina, 1964. 221 p.
(MIRA 17:10)

PONOMAREVA, P.A., prof. (Moskva)

Problem protection children's health in the light of the resolution
of the Central Committee of the CPSU and the Council of Ministers
Health, dated January 14, 1960. Sov. zdrav. 19 no.6:3-6 '60.
(MIRA 13:9)

(CHILDREN--CARE AND HYGIENE)

PONOMAREVA, P.I.

Morphological changes in the ovaries and uterus of patients
with breast cancer. Vop. onk. 9 no.1:48-53 '63. (MIRA 16:5)

1. Iz patologoanatomicheskoy laboratorii eksperimental'nogo ot-
dela (zav.-prof. M.A.Ukolova) Rostovskogo gosudarstvennogo nauchno-
issledovatel'skogo instituta rentgenologii, radiologii i onko-
logii (direktor - P.N.Snegirev) Ministerstva zdravookhraneniya
RSFSR.

(BREAST—CANCER) (UTERUS—TUMORS) (OVARIES—TUMORS)

SIROTININA, I.R.; MOCHALOVA, G.I.; PASTIKOVA, T.I.; PONOMAREVA, P.I.

Sensitivity of local strains of the diphtheria bacillus to
antibiotics. Trudy Tom NIIVS 12:130-131 '60 (MIRA 16:11)

1. Nauchnyy studencheskiy kruzhek kafedry mikrobiologii
Tomskogo meditsinskogo instituta.

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PONOMAREVA, P.I.

Heterologous mesodermal tumors of the uterus. Akush. i gin. 40 no.4:
131-132 J1-Ag '64. (MIRA 18:4)

1. Nauchno-issledovatel'skiy institut rentgenologii, radiologii i
onkologii (dir. - kand. med. nauk A.K.Pankov) Ministerstva
zdravookhraneniya RSFSR, Rostov-na-Donu.

PONOMAREVA, P.I.

Morphological changes of the uterine mucous membranes in tumors
of the ovary and of the ovarian membranes in tumors of the uterus.

Akush. i gin. 36 no.3:14-20 My-Je '60. (MIRA 13:12)
(UTERUS—TUMORS) (OVARY—TUMORS)
(MUCOUS MEMBRANES)

PONOMAREV, P.V.

Ultrasonic testing of fatigue fractures in materials. Zav.lab.
28 no.11:1345-1346 '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metodiki i
tekhniki razvedki Ministerstva geologii i okhrany nedr SSSR.
(Fatigue) (Ultrasonic testing)

SAMSONOV, G.V.; PONOMAREVA, R.B.; BOLOTINA, I.A.

Study of physicochemical characteristics of α -chymotrypsin and its B and C chains. Biofizika 10 no.3:520-522 '65.

(MIRA 18:11)

1. Institut vysokomolekulyarnykh soyedineniy, Leningrad.
Submitted Nov. 21, 1964.

SAMSONOV, G.V.; BOLTAKS, Yu.B.; KUZNETSOVA, N.P.; BASHKOVICH, A.P.;
PONOMAREVA, R.B.

Sorption of ions by carboxyl resins in the hydrogen form. Koll.
zhur. 21 no.4:471-475 J1-Ag '59. (MIRA 13:8)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR, Leningrad.
(Sorption) (Ion exchange)

SAMSONOV, G.V.; KUZNETSOVA, N.P.; PONOMAREVA, R.B.; PIROGOV, V.S.;
SELEZNEVA, A.A.; VAN-L-GUAN [Wang I-kuang]

Additional sorption interaction in the absorption by ion
exchange resins of organic substances containing peptide and
amides groupings. Zhur.fiz.khim. 37 no.2:280-283 F '63.
(Penicillin) (Ion exchange resins) (MIRA 16:5)
(Sorption)

PONOMAREVA, R. B., YURCHENKO, V. S., SAMSONOV, G. V., and GLIKINA, M. V.
(USSR)

"The Synthesis of Peptide Bond on the Ion Exchange Resins."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

SAMSONOV, G.V.; PONOMAREVA, R.B.; SHANDALOVA, L.P.

Change in the size of protein macromolecules after their tertiary structure is broken by the rupture of disulfide bonds. Dokl. AN SSSR 154 no.6:1448-1451 F '64. (MIRA 17:2)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. Predstavleno akademikom V.A.Engel'gardtom.

SAMSONOV, G.V.; GLIKINA, M.V.; PONOMAREVA, R.B.; YURCHENKO, V.S.; GUDKIN,
L.R.; KUZNETSOVA, N.P.; ~~DMITRENKO, L.V.~~; ZAYTSEVA, A.D.

Transformations of polypeptides and synthesis of the peptide bond
on ion exchange resins. Biokhimiia 25 no.5:964-973 S-0 '60.
(MIRA 14:1)

1. Institute of High Polymer Compounds, Academy of Sciences of the
U.S.S.R., Leningrad.

(ION EXCHANGE)

(PEPTIDES)

SAMSONOV, G.V.; PONOMAREVA, R.B.

Protein sorption by ion-exchange resins [with summary in English].
Biokhimiia 24 no.1:63-66 Ja-F '59. (MIRA 12:4)

1. Institute of High Polymers, Academy of Sciences of the U.S.S.R.,
Leningrad.

(PROTEINS, determ.

sorption by ion-exchange resins (Rus))

(ION EXCHANGE RESINS,

protein sorption (Rus))

5(4)

SOV/69-21-4-16/22

AUTHOR: Samsonov, G.V., Boltaks, Yu.B., Kuznetsova, N.P., Bashkovich, A.P., Ponomareva, R.B.

TITLE: Sorption of Iones by Carboxyl Resins in the Hydrogen Form

PERIODICAL: Kolloidnyy zhurnal, 1959, Vol XXI, Nr 4, pp 471-475 (USSR)

ABSTRACT: This study is devoted to the problem of slow sorption of cations in aqueous solutions by carboxyl resins in the hydrogen form. The authors' experiments considered two assumptions concerning the nature of this phenomenon. The first of these explains the phenomenon with the slow diffusion of desorbed hydrogen ions from the ionite grains into the solution. The second assumption considers the slow rate of diffusion of streptomycin into the grains of the carboxyl cationite in the hydrogen form as the most delayed stage of the process. In order to verify the second assumption, the authors studied the sorption of streptomycin on two samples of carboxyl resin KMT, synthesized by A.A. Vansheydt, A.V. Okhrimenko and A.V. Tunik. The results of the experiments (table 1) fully exclude the possibility to explain

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Sorption of Iones by Carboxyl Resins in the Hydrogen Form

the slow sorption of cations by little porosity of resins of the mentioned type or by difficulties for streptomycin ions to diffuse into the resin grains. The first assumption was largely confirmed by the experiments. Figure 2 (graph) shows a nearly perfect coincidence of the curves of sorption of streptomycin and sodium by the carboxyl cationite KB 4 P-2 in hydrogen form from solutions of equal concentrations. The sorption process developed in the presence of an OH-anionite. Table 2 shows an increase of the sorption capacity of KMT resin for streptomycin cations in buffer (pH 4-6) and Na_2SO_4 solutions. Table 3 shows the sorption capacity of carboxyl² resins in hydrogen and sodium form for several albumins. The data proves that on the whole carboxyl resins in hydrogen form absorb albumins better than the same carboxyl resins in sodium form. The results of the experiments can be summarized as follows. The low sorption capacity of carboxyl resins in the hydrogen form for cations is determined by the low rate of diffusion of hydrogen ions from the

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SOV/69-21-4-16/22

Sorption of Iones by Carboxyl Resins in the Hydrogen Form

ionite grain into the solution. The characteristics of the sorption of cations by carboxyl resins can be observed during the sorption of metal ions as well as during the sorption of ions of larger size. Bipolar ions can be absorbed by carboxyl resins in hydrogen form, as there is no passing of hydrogen ions into solution during this process (details concerning bipolar ion sorption on page 474). There are 3 graphs, 3 tables and 5 references, 4 of which are Soviet and 1 English.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR, Leningrad
(Institute of High-Molecular Compounds of the AS USSR), Leningrad)

SUBMITTED: 8 April, 1958

Card 3/3

PONOMAREVA, R. B.

G. V. Samsonov and L. V. Dmitrenko "Particulars on the chromatographic purity determination of protein"

**report presented at the 10th All-Union Conf. on Highly Molecular Compounds,
Biologically Active Polymer Compounds, Moscow, 11-13 June 1958. (Vest..Ak
Nauk SSSR, 1958, No. 9, pp. 111-113)**

SAMSONOV, G.V.; PONOMAREVA, R.B.

Study of electrochemical structure of protein molecules and
their fragments by sorption methods. Biokhimiia 29 no.4:
586-589 J1-Ag '64. (MIRA 18:6)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR, Leningrad.

PONOMAREVA, R.I.

Urine excretion of manganese. Gig. i san. 22 no.2:69-70 F '57
(MLRA 10:4)

1. Iz Magnitogorskogo instituta gigiyeny truda i professional'nykh
zabolevaniy.

(MANGANESE, in urine
excretion)

PONOMAREVA, R. I.

MD / Nitrogen metabolism in the Uremic disease. R. I. Ponomareva. *Vopr. Tranzm. i. Ortopedii* 1954, No. 2, 87-8. *Refer. Zhur. Khim. Biol. Khim.* 1955, No. 3516. B. S. Levine

PONOMAREV, S.A.

Information for mathematics teachers. Mat. v shkole no.3:88-90
My-Je '58.

(MIRA 11:5)

1.Zav. redaktsiyey matematiki Uchpedgisa.
(Mathematic--Textbooks)

PONOMAREVA, S.D.

"Principle contemporary methods in computing for machine construction", (Osnovi sovremennikh metodov rascheta na prochnost' v mashinostroenii), published by the State Scientific-Technical Publishing House for Machine Construction Literature, MOSCOW 1952.

SO: D-69420, 28 July 1954.

PONOMAREVA, S. D.

The Moscow Higher Technical School. (Moskovskoe Vysshee Tekhnicheskoe Uchilishche.) 16" p. The professorship chair on the resistance of materials (wear resistance). Calculations on durability in machine construction a handbook of articles. Edited by S. D. Ponomareva.

City: Moscow

Publisher:

~~Subscriptions~~ The Gov. Sci-Tech. Pub. Est. for machine Construction

Date: 1959

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 4, No. 4, July 1951

2A

PROCESSES AND PROPERTIES INDEX

The rate of formation of calcite by earthworms in the soil. S. I. Ponomareva. *Doklady Akad. Nauk S.S.S.R.* 61, 765-7(1948). ~~Darwin's~~ remark about the formation of CaCO_3 by earthworms was checked experimentally with specimens of *Lumbricus rubellus* and *Allolobophora longa* in soils free of CaCO_3 and contg. leaves of clover and beets. Within 47 days the exptl. sets contained numerous crystals of calcite (photographic reproductions given). Control sets had no CaCO_3 , although the semidecompd. plant leaves on top of the soil contained much Ca and Mg. G. M. Kosolapoff

Soils Inst. in. V.V. Dokuchayev, AS USSR

ASR SLA METALLURGICAL LITERATURE CLASSIFICATION

PONOMAREVA, S. I.

25031. PONOMAREVA, S. I. Vliyaniye Deyatel'nosti Doshoevykh Chervey Na Sozdaniye Ustoychivoy V Eroziionnom Otnoshenii Struktury Pochv. Trudy Yubileynoy Sessii, Posvyashch Stoletiyu So Dnya Rozhoeniya Dokuchayeva. M.-L., 1949, S. 475-83 Biblogr: 5 Nazv

S0: Letopis' No. 33, 1949

CA 15

The role of earthworms in establishing a stable structure in a grass sod rotation. S. J. Ponomareva, *Pochvovedeniye* (Pedology) (U.S.S.R.) 1950, 176-191. Plots 50 cm. square in several grass-sod rotation fields (timothy and clover sods) were divided into 25 squares. A collection of worm casts from the surface of the soil and in places to a depth of 2 cm. was made from each square. The next collection of casts was made from the roots at a depth of 3 cm. The control consisted of the soil to a depth of 2 cm. after the worm casts and debris were removed. The no. of earthworms was counted through a depth of 40-50 cm. profile over an area of 0.25 sq. m. by sieving the respective horizons. The samples were placed in a porcelain dish and 25 ml. of H₂O was added. After 10-15 min. the aggregates were broken up and after 15-20 sec. decanted. This operation was continued until the water remained clear. At that point two layers formed: one, on the bottom, of a sandy nature, containing the calcite of the worm casts and over it the layer of org. residues. The latter layer was removed and examined optically for calcite crystals. The sandy material was analyzed for total Ca. From the figure obtained, the quantity of Ca absorbed by the soil (determ. on a separate soil sample) was subtracted. In this manner the calcite Ca was calculated. In a 2-year-old sod 32-34 kg. of calcite per ha. were found; in an oak forest it varied from 0 to 0.9 kg. ha. The worm casts as such were analyzed for adsorbed Ca and Mg. The values varied from 7.3 to 17.4 milliequivs. of Ca per 100 g. of the surface casts and 3.50-9.92 milliequivs. of Mg. Somewhat lower values were obtained from the 3-cm. layer of soil around the roots. The pH of the casts varies from 5.60 (in the forest litter casts) to 7.28 in the surface casts. The org.-matter content of the casts varied from 2.5 to 8.15% in the surface casts and from 1.78 to 3.25% in the 3-cm. layer. J. S. Joffe

PONOMAREVA, S. I.

"Effect of the Life Activity of Pluvial Worms on the Creation of Firmness in the Erosional Relation of the Structure of Central Sod-Podzolic Soil." Sub 28 Nov 51, Soil Inst, Acad Sci USSR.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55